

# Alibaba Cloud Alibaba Cloud Container Service for Kubernetes

Bulletin

Issue: 20190909

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## Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 <b>Danger:</b> Resetting will result in the loss of user configuration data.
	This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 <b>Warning:</b> Restarting will cause business interruption. About 10 minutes are required to restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	 <b>Notice:</b> Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	 <b>Note:</b> You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
<b>Bold</b>	It is used for buttons, menus, page names, and other UI elements.	Click OK.
Courier font	It is used for commands.	Run the <code>cd / d C :/ windows</code> command to enter the Windows system folder.
<i>Italics</i>	It is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[ ] or [a b]	It indicates that it is an optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
<code>{}</code> or <code>{a b}</code>	It indicates that it is a required value, and only one item can be selected.	<code>swich {stand   slave}</code>



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# 1 Vulnerability fix: CVE-2019-11249 related to kubectl cp

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The vulnerability CVE-2019-11246 related to kubectl cp was exposed several months ago. Kubernetes recently announced another vulnerability CVE-2019-11249 related to kubectl cp. This vulnerability provides attackers with the opportunity to write malicious files saved in a TAR package into any paths on your host through directory traversal by running the kubectl cp command. This process is only restricted by the system permissions of the current user. We recommend that you upgrade the kubectl client version to a more secure version as soon as possible. For more information about the CVE-2019-11249 vulnerability, see [#unique\\_4](#).

## 2 Security vulnerability CVE-2019-11246

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The `CVE - 2019 - 11246` vulnerability provides attackers the opportunity to write malicious files saved in a TAR package into any paths on your host by running the `kubectl cp` command through path traversal. Therefore, you must upgrade your `kubectl` version. For more information, see [#unique\\_6](#).

## 3 Support for Container Service Swarm is ending

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After December 31, 2019, Alibaba Cloud will no longer provide technical support for Container Service Swarm. However, you can continue to use Container Service Kubernetes and enjoy stable and reliable enterprise-class services. We recommend that you migrate your applications in advance according to the following information:

1. From July 1, 2019, Swarm clusters cannot be created in the Container Service console. If you have special requirements, open a ticket.
2. From December 31, 2019, console functions and documentation that are related to Swarm clusters will be brought offline. You can manage your existing Swarm clusters by calling API actions.

For information about how to migrate applications from Swarm clusters to Kubernetes clusters, see [#unique\\_8](#).

## 4 Upgraded the Terway network plugin

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- v1.0.9.15-g3957085-aliyun

Fixed the bug that caused upgrade failures that occurred to the Terway network plugin.

- v1.0.9.14-ga0346bb-aliyun

- Fixed the bug that caused the Terway network plugin to fail to obtain the EIP information.
- Fixed the bug that caused the error message failed to move veth to host netns: file exists. The error message was displayed when a container was created.
- Added a new feature that enables the system to detect the status of an EIP and retrieve its exception releases.
- Changed the health check method for the Terway network plugin from the HTTP path check to the TCP port check.

The preceding upgrades do not affect application functionality.

We recommend that you use the Container Service console to upgrade the Terway network plugin to the latest version.

## 5 Upgraded Cloud Controller Manager

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v1.9.3.105-gfd4e547-aliyun

- Fixed the bug where the annotation settings did not take effect.
- Added the feature where you can rename an SLB instance in the SLB console. If you want to rename an SLB instance created by using Cloud Controller Manager (CCM) V1.9.3.10 or earlier, you must first add a tag to the manager. For more information, see [#unique\\_11](#)

We recommend that you use the Container Service console to upgrade Cloud Controller Manager to the latest version.

## 6 Kubernetes versions supported by ACK

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To guarantee that you can more easily use Alibaba Cloud Container Service for Kubernetes (ACK) that is backed by stable and reliable Kubernetes versions, ACK provides support for multiple Kubernetes versions. Specifically, support is provided for up to four Kubernetes versions at the same time. The maintenance period for each Kubernetes version lasts for one year. For more information, see [#unique\\_13](#).

You must upgrade your Kubernetes clusters before their maintenance period expires.

## 7 A notice about the ACK security policy upgrade

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Starting from April 17, 2019, the security policy of ACK for managing the permissions required to access a Kubernetes cluster are upgraded. After this release, the upgrade security policy denies any cluster accesses performed by RAM users not granted with the required permissions. That is, RAM users can only access the Kubernetes clusters for which they have been granted the required permissions.

You must grant the required RAM permissions to all the RAM users under your management for them to access corresponding clusters. For more information, see [#unique\\_15](#).

## 8 Vulnerability fix: CVE-2019-1002101

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The vulnerability fixed in this update caused damages through the `kubectl`

`cp` command that is used to copy files and directories to and from containers.

Specifically, this vulnerability allowed attackers to implant a malicious tar package that contains a symbolic link header into an image or a running container. During the process in which the tar package is extracted, it modifies or monitors any files stored in the directory that shares the same name with the symbolic link header.

This vulnerability was fixed in `kubectl` V1.11.9, V1.12.7, V1.13.5, and V1.14.0. You must use one of these versions of `kubectl`. For more information, see [Install and set up kubectl](#).



## 9 Fixed a bug that caused disks to fail to be mounted to a multi-zone Kubernetes clusters

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- The multi-zone Kubernetes clusters created on or after January 28, 2019 are unaffected by this bug.
- For any multi-zone Kubernetes cluster created before January 28, 2019, ACK offers a solution to this bug that allows you to mount a disk to the cluster. For more information, see [#unique\\_18](#).

## 10 Announcement about billing of ECI instances that support serverless Kubernetes clusters

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From January 22, 2019, ECI instances that are used to support serverless Kubernetes clusters will incur charges. For more information, see [#unique\\_20/unique\\_20\\_Connect\\_42\\_section\\_np1\\_7pb\\_qqv](#).

## 11 Vulnerability fix: CVE - 2018 - 18264 for Kubernetes dashboard

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This vulnerability that is fixed was discovered in Kubernetes dashboards of V1.10 and earlier. This vulnerability allowed attackers to bypass identity authentication and read secrets within the cluster by using the dashboard logon account. For more information, see [Fix the vulnerability CVE-2018-18264](#).